|          | Index of Claims |          |      |          |          |          |          |                  |          |              | Application No.              |              |          |           |                 |               |          |              |             | Applicant(s)      |          |              |            |  |              |              |               |               |         |          |              |
|----------|-----------------|----------|------|----------|----------|----------|----------|------------------|----------|--------------|------------------------------|--------------|----------|-----------|-----------------|---------------|----------|--------------|-------------|-------------------|----------|--------------|------------|--|--------------|--------------|---------------|---------------|---------|----------|--------------|
|          | IIIAII          |          |      |          |          |          |          |                  |          |              |                              |              |          |           |                 | 10            | /00      | 2,98         | 87          | •                 |          |              |            |  | DAI ET AL.   |              |               |               |         |          |              |
|          |                 |          |      |          |          |          |          | ſ                | Examiner |              |                              |              |          |           |                 |               |          | Art Unit     |             |                   |          |              |            |  |              |              |               |               |         |          |              |
|          |                 |          |      |          |          |          |          | Pamela E Perkins |          |              |                              |              |          |           |                 |               | 2822     |              |             |                   |          |              |            |  |              |              |               |               |         |          |              |
|          |                 |          |      |          |          | _        |          |                  |          |              |                              |              |          |           |                 |               | IIIIE    | Ia L         | <u>.</u> r  | CIN               | 1115     |              |            |  |              | 220          |               |               |         |          |              |
|          |                 |          |      |          |          |          | 1        |                  | Г        | Г            | /T                           | hrou         | ıah r    | \ I I I I | 305             |               | ٦        |              | Γ           |                   |          |              | 1          | П  |              |              |               |               |         | 1        |              |
|          |                 | l√       | R    | eje      | cte      | эd       |          |                  | -        |              | (Through numera<br>Cancelled |              |          |           | aıj             |               | N        | 1            | Non-Elected |                   |          |              | A          |  | Α            | ppe          | al            |               |         |          |              |
|          |                 | ┢        |      |          |          |          |          |                  | $\vdash$ | -            | _                            |              |          |           |                 |               | $\dashv$ |              | -           |                   |          |              | l          | H  |              |              |               |               |         | 1        |              |
|          |                 | =        | A    | llo      | we       | bd       |          |                  | +        |              |                              | Re           | stri     | cte       | d               |               |          |              |             | Inter             | fere     | nce          |            | 0  |              | Ob           | ojec          | tec           | i       |          |              |
|          |                 | ш        |      |          |          |          | ]        |                  | _        |              |                              |              |          |           |                 |               |          |              | <u></u>     |                   |          |              | J          | ш  |              |              |               |               |         | J        |              |
| Cla      | aim             |          | Date |          |          | е        |          |                  | _        |              | Cl                           | aim          |          |           |                 | Dа            | te       |              | CI          |                   | aim      |              | Date       |  |              |              |               |               |         |          |              |
| _        | <u>ख</u>        | 4        |      |          |          |          |          |                  |          |              |                              | _            | <u>a</u> |           |                 |               |          |              |             |                   |          | _            | <u>a</u>   |  | -            |              |               |               |         |          |              |
| Final    | Original        | 6/24/04  |      |          |          |          |          |                  |          |              |                              | Final        | Original |           |                 |               |          |              |             |                   |          | Final        | Original   |  |              |              |               |               |         |          |              |
|          | 0               | 9        |      |          |          |          |          |                  |          |              |                              |              | ō        |           |                 |               |          |              |             |                   |          |              | ō          |  |              | ļ            |               |               |         | L        |              |
|          | 1               | 1        |      |          |          |          |          |                  | _        |              |                              |              | 51       |           | $\Box$          | _ _           |          | 1            | L           | $\perp$           | _        |              | 101        | Ш  | 4            | 4            | _             | _             | _       | _        | L            |
|          | 3               | 1        |      | $\vdash$ | -        | -        | ╁        | ╁                | ┼-       | <del> </del> |                              | <del> </del> | 52<br>53 | $\vdash$  | $\vdash \vdash$ | $\dashv$      | $\dashv$ | $\vdash$     | -           | ╂                 | $\dashv$ | <del> </del> | 102        | $\vdash$   | +            | +            | +             | +             | +       | $\vdash$ | $\vdash$     |
|          | 4               | ٧        |      |          |          |          |          |                  | L        |              |                              |              | 54       |           |                 | $\exists$     |          |              | T           | 力                 |          |              | 104        |  | _            | _†           |               | _             | 士       |          | İ            |
|          | 5               | 1        |      |          |          |          |          |                  |          |              |                              |              | 55       | $\Box$    | $\Box$          | $\bot$        | $\perp$  | $oxed{\Box}$ | L           |                   | _        |              | 105        |  | $\Box$       | Ţ            | $\perp$       | Ţ             |         |          |              |
|          | <u>6</u><br>7   | 7        |      | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$         | ┼-       | $\vdash$     |                              |              | 56<br>57 | H         | $\dashv$        | +             | +        | $\vdash$     | $\vdash$    | ++                | -        |              | 106        | $\vdash \vdash$                                  | +            | +            | +             | +             | +       | ╁        | ╀            |
| $\dashv$ | 8               | =        |      | $\vdash$ | $\vdash$ | $\vdash$ | -        | $\vdash$         | $\vdash$ |              |                              |              | 58       | $\vdash$  | $\dashv$        | $\dashv$      | +        |              | $\vdash$    | +                 | -        |              | 107        | -  | $\dashv$     | +            | +             | +             | +       | $\vdash$ | _            |
|          | 9               | Ξ        |      |          |          |          | L        |                  |          |              |                              |              | 59       |           |                 | $\Box$        |          |              |             | $\Box$            | ]        |              | 109        | $\Box$   | ightharpoons | ユ            |               | 1             |         |          |              |
|          | 10<br>11        | =        |      | H        |          | -        | $\vdash$ | $\vdash$         | ├-       | $\vdash$     |                              | <u> </u>     | 60<br>61 | $\vdash$  | $\dashv$        | $\dashv$      | +        | $\vdash$     | $\vdash$    | +                 | -        |              | 110<br>111 | $\vdash \vdash$                                  | +            | 4            | -             | +             | +       | $\vdash$ | -            |
| $\dashv$ | 12              | =        |      | Н        |          | H        | H        | ┢╌               | ┢        |              |                              |              | 62       | Н         | $\vdash$        | +             | +        | +            | -           | +                 | -        | <u> </u>     | 112        | $\vdash$   | $\dashv$     | +            | +             | +             | +       | ┢        | +            |
|          | 13              | =        |      |          |          |          |          |                  |          |              |                              |              | 63       |           |                 |               |          |              |             |                   |          |              | 113        |  |              |              |               |               |         | L        |              |
|          | 14              | =        |      |          | _        | L        | Ļ        | _                | _        | _            |                              |              | 64       |           | -               | -             | - -      | ļ            | _           | +                 | -        |              | 114        | $\sqcup$   | 4            | 4            | 4             | +             | +       | ┞        | 1            |
|          | 15<br>16        | =        |      | H        | $\vdash$ | -        | -        | -                |          | ├            |                              |              | 65<br>66 | H         | $\dashv$        | +             | +        | $\vdash$     | -           | +                 | -        | -            | 115<br>116 | $\vdash$   | +            | $\dashv$     | +             | +             | +       | ┝        | ┝            |
|          | 17              | Ξ        |      |          |          |          |          | $\vdash$         |          |              |                              |              | 67       |           |                 | $\perp$       |          |              |             | $\Box$            |          |              | 117        | П  | $\top$       | 寸            |               | $\top$        |         |          |              |
|          | 18              | =        |      |          |          | L        | _        | _                | _        |              |                              |              | 68       |           |                 |               | 4        |              |             | $\Box$            | _        |              | 118        |  | $\perp$      | $\perp$      | $\perp$       | $\perp$       | $\bot$  | L        |              |
| $\dashv$ | 19<br>20        | =        |      |          |          | _        | ├        | ├-               | ┼        |              |                              |              | 69<br>70 | H         | $\dashv$        | +             | +        | -            | H           | +-+               | -        |              | 119<br>120 | Н  | +            | +            |               | +             | +       | -        | ⊢            |
|          | 21              | =        |      | $\vdash$ | _        | -        | H        | $\vdash$         | H        | H            |                              |              | 71       | $\vdash$  |                 | $\dashv$      | +        | +            | _           | + +               | -        | <u> </u>     | 121        | Н  | 十            | $\dagger$    | +             | +             | +       | 1        | H            |
|          | 22              | =        |      |          |          |          |          |                  |          |              |                              |              | 72       |           | $\Box$          | $\Box$        |          |              |             |                   |          |              | 122        | П  | $\Box$       | 1            | $\Box$        | ightharpoonup |         |          |              |
| $\dashv$ | 23<br>24        | =        | _    |          |          | ļ        | ┝        | _                |          | $\vdash$     |                              |              | 73<br>74 | H         | $\dashv$        | +             | +        | H            | $\vdash$    | +                 | -4:::    |              | 123<br>124 | Н  | +            | +            | +             |               |         | <b>├</b> | -            |
| $\dashv$ | 25              | =        |      | H        | -        | $\vdash$ | ┢        |                  | H        |              |                              |              | 75       |           | $\dashv$        | $\dashv$      | +        | $\vdash$     | $\vdash$    | +                 | -        |              | 125        | $\vdash$   | +            | ╅            | +             | +             | +       | ┢        | <del> </del> |
|          | 26              |          |      |          |          |          |          |                  |          |              |                              |              | 76       |           |                 |               |          |              |             |                   |          |              | 126        |  | $\Box$       | $\Box$       |               | $\perp$       |         |          |              |
|          | 27<br>28        |          |      | _        | _        | -        | -        |                  | ⊢        |              |                              |              | 77<br>78 | H         |                 | _             | +        | -            | -           | ++                |          | <u> </u>     | 127<br>128 | Н  | $\dashv$     | +            | +             | +             | +       | ╁        | ļ            |
| $\dashv$ | 29              |          |      | H        |          |          | $\vdash$ | ╁                | H        | H            |                              |              | 79       |           | $\dashv$        | $\dashv$      | +        | $\vdash$     | H           | +                 | -        |              | 129        | Н  | $\dashv$     | $\dashv$     | ╁             | ╁             | +       | ╁        | +            |
|          | 30              |          |      |          |          |          |          |                  |          |              |                              |              | 80       |           |                 |               |          |              |             |                   | ]        |              | 130        |  | $\Box$       | 1            | #             | $\perp$       |         |          |              |
|          | 31<br>32        | $\vdash$ | _    | <u> </u> | -        | _        | $\vdash$ | -                | $\vdash$ | _            |                              |              | 81<br>82 | $\vdash$  |                 | -             | 4        | -            | H           | +                 |          |              | 131<br>132 | $\vdash \vdash$                                  | $\perp$      | +            | _             | +             | $\perp$ | <u> </u> | <u> </u>     |
|          | 33              | $\vdash$ |      | $\vdash$ |          | -        | $\vdash$ | -                | $\vdash$ | $\vdash$     |                              |              | 83       | H         | $\forall$       | +             | +        | $\vdash$     | $\vdash$    | ╁┼                |          |              | 132        | $\vdash$   | $\dashv$     | $\dashv$     | +             | +             | +       | +        | ┝            |
|          | 34              |          |      |          |          |          |          |                  |          |              |                              |              | 84       |           |                 |               |          |              |             |                   |          |              | 134        |  |              |              | 士             | 士             |         |          |              |
| $\dashv$ | 35              | $\vdash$ |      |          |          |          |          | L                |          | $oxed{\Box}$ |                              |              | 85       |           |                 | 1             | -        |              | Ĺ           | $\Box$            | -        |              | 135        | $\Box$   | 4            | 4            | $\perp$       | $\perp$       | $\perp$ |          | L            |
| $\dashv$ | 36<br>37        | H        |      | $\vdash$ | $\vdash$ | -        | $\vdash$ | $\vdash$         | $\vdash$ | Н            |                              | <u> </u>     | 86<br>87 | $\vdash$  | $\vdash$        | +             | +        | $\vdash$     | ┝           | ++                |          | $\vdash$     | 136<br>137 | H  | +            | +            | +             | +             | +       | -        | -            |
|          | 38              |          |      |          |          |          |          |                  |          |              |                              |              | 88       |           |                 |               |          |              |             | 廿                 |          |              | 138        | 口  | 士            | 士            |               | 士             |         |          |              |
| $\Box$   | 39              | $\Box$   |      |          | Ĺ        |          | Ľ        | $\Box$           | $\Box$   |              |                              |              | 89       | $\Box$    | $\Box$          | $\bot$        | $\bot$   | F            |             | $\Box$            | 4        |              | 139        | П  | 7            | 1            | $\perp$       | Ţ             | $\perp$ | Г        | $\Box$       |
|          | 40<br>41        | $\vdash$ | H    | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | ├-               | ├-       | $\vdash$     |                              |              | 90<br>91 | $\vdash$  | $\dashv$        | +             | +        | +-           | $\vdash$    | +                 |          |              | 140<br>141 | $\vdash$   | +            | +            | +             | +             | +       | +        | -            |
|          | 42              |          |      |          | L        |          | T        |                  | Ħ        |              |                              |              | 92       | H         |                 | $\exists$     | $\pm$    | $\perp$      | $\vdash$    | $\dagger \dagger$ | _        |              | 142        | $\Box$   | $\dashv$     | _            | +             | +             | +       | T        | +-           |
|          | 43              |          |      |          |          |          |          |                  |          |              |                              |              | 93       |           |                 | 7             | 1        | $\Box$       | L           | П                 |          |              | 143        | П  | $\Box$       | $\Box$       | ightharpoonup | $\bot$        |         |          | L            |
| $\dashv$ | 44<br>45        | $\vdash$ |      | H        | ⊢        | $\vdash$ | ⊢        | $\vdash$         | ╀        | $\vdash$     |                              |              | 94<br>95 | $\vdash$  | $\dashv$        | -             | +        | +-           | $\vdash$    | ╁┤                | - :::    |              | 144<br>145 | ╁┼   | +            | +            | +             | +             | +       | +        | +-           |
| $\dashv$ | 46              | H        |      | $\vdash$ | -        | $\vdash$ | $\vdash$ | $\vdash$         | 十        | $\vdash$     |                              |              | 96       | $\vdash$  | $\dashv$        | +             | +        | $\vdash$     | $\vdash$    | +                 | -        | <del></del>  | 146        | $\vdash$   | +            | +            | +             | +             | +       | +        | +-           |
|          | 47              |          |      |          |          |          |          |                  | L        |              |                              |              | 97       |           |                 | ightharpoonup |          |              |             | $\Box$            |          |              | 147        |  | $\Box$       | ightharpoons | $\perp$       | $\bot$        |         |          |              |
|          | 48<br>49        | Н        |      | <u> </u> | -        | -        | $\vdash$ | -                | 1        |              |                              |              | 98<br>99 | $\vdash$  | $\dashv$        | $\dashv$      |          | $\vdash$     | -           | +                 | -        | <u> </u>     | 148<br>149 | <del>                                     </del> | +            | 4            | +             | +             | +       | $\vdash$ | L            |
|          | +3              | ıl       |      | ᆫᆜ       |          |          | 1        | 1                |          | ш            |                              | <u> </u>     | 100      | $\vdash$  | $\vdash$        | _             |          | -            | <b>—</b>    | $\bot$            | —        |              | 150        | ₩  | -            | 4            | _             | +             |         | ₩        | _            |

Application No.

Applicant(s)